

ITW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application for:

Namit JAIN, et al.

Serial No.: 10/718,823

Filing Date: November 21, 2003

For: EFFICIENT LOADING OF DATA INTO A
RELATIONAL DATABASE

Confirmation No.: 1338

Examiner: Channavajjala, Srirama T.

Group Art Unit: 2166

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 CFR §§ 1.97 and 1.98, the items identified in this Information Disclosure Statement (IDS) are being brought to the attention of the Office. The items are listed on the attached forms PTO/SB/08A and PTO/SB/08B. The Examiner is requested to make these documents of record.

The items identified in this IDS may or may not be "material" pursuant to 37 CFR § 1.56. The submission thereof by Applicant(s) is not to be construed as an admission that any such patent, publication or other information referred to therein is material or considered to be material (37 CFR § 1.97(h)), or even qualifies as "prior art" under 35 USC § 102 with respect to this invention unless specifically designated by Applicant(s) as such.

1. Timing of the Information Disclosure Statement:

☐ This IDS is believed to be timely in that it is being submitted under 37 CFR § 1.97(b), that is (1) with the new patent application submitted herein (37 CFR § 1.97(a)); or (2) within three months of the filing date of the application, which is not a continued prosecution application filed under § 1.53(d) or (3) within three months of entry of the national stage as set forth in 37 CFR § 1.491; or (4) before the mailing of a first Office action on the merits; or (5) before the mailing of a first Office action after filing a request for continued examination under § 1.114. Thus, no fee is required.

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- ☐ However, if the undersigned is in error in this regard, Applicant(s) respectfully requests that the Office consider this IDS as filed under 37 CFR § 1.97(c), if applicable, and charge the fee due under 37 CFR § 1.17(p) to the deposit account referenced below.
- ☐ However, if the undersigned is in error in this regard, Applicant(s) respectfully requests that the Office consider this IDS as filed under 37 CFR § 1.97(c), if applicable, and a statement under 37 CFR § 1.97(e) is included below, thus no fee is required.
- ☒ This IDS is being submitted under 37 CFR § 1.97(c), that is after mailing of a first Office Action on the merits, but before a Final Action under 37 CFR § 1.113 or a Notice of Allowance under 37 CFR § 1.311.
- ☐ This IDS is being submitted under 37 CFR § 1.97(d), that is after a Final Action under 37 CFR § 1.113 or a Notice of Allowance under 37 CFR § 1.311, but before payment of the issue fee. A statement under 37 CFR § 1.97(e) is included below. Charge the fee due under 37 CFR § 1.17(p) to the deposit account referenced below.
- ☐ This IDS is being submitted under 37 CFR § 1.97(i), that is after a Final Action under 37 CFR § 1.113 or a Notice of Allowance under 37 CFR § 1.311, but before payment of the issue fee.
- ☒ Charge the fee due under 37 CFR § 1.17(p) to the deposit account referenced below.
- ☐ The fee due under 37 CFR § 1.17(p) is being concurrently submitted with the filing of an electronic IDS submission. Thus, no additional fee is required.
- ☐ A statement under 37 CFR § 1.97(e) is included below.
- ☐ A statement under 37 CFR § 1.97(e) is included below, thus no fee is required. In the event that this IDS is not received before a Final Action or a Notice of Allowance, then Applicant(s) respectfully requests that the Office consider the filing of these papers to be submitted under 37 CFR § 1.97(d) and charge the fee due under 37 CFR § 1.17(p) to the deposit account referenced below.

STATEMENT UNDER 37 CFR § 1.97(e):

- ☐ That each item of information contained in the IDS was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the IDS; or
- ☐ That no item of information contained in the IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person

signing the certification after making reasonable inquiry, no item of information contained in the IDS was known to any individual designated in 37 CFR § 1.56(c) more than three months prior to the filing of the IDS.

2. Copies of the Cited Items:

- ☐ Copies of all the items listed on the attached form PTO/SB/08A are enclosed.
- ☒ Copies of all of the following items listed on the attached form PTO/SB/08A (Item Nos. 1-19, 23-41, 43-60, 62-79 and 81-89) are not enclosed. See 37 CFR 1.98(a)(2)(i).
- ☒ Copies of the following items listed on the attached forms PTO/SB/08A (Item Nos. 42, 61, 80 and 90) and PTO/SB/08B (Item Nos. 110-119) are enclosed.
- ☒ Copies of the following documents listed in PTO/SB/08A (Item Nos. 20-22) and PTO/SB/08B (Item Nos. 91-109) are not supplied as they were previously cited by the Office or submitted in Information Disclosure Statements in related applications (Application Nos. 10/648,577 and 10/648,600 filed August 25, 2003) and relied upon in this application for an earlier filing date under 35 USC § 120. See 37 CFR § 1.98(d). The Examiner is requested to make these documents of record.
- ☐ Copies of the following items listed on the attached forms PTO/SB/08A (Item Nos. *) and PTO/SB/08B (Item Nos. *) were cited in a foreign examination report in a related case. A copy of the search report and the cited references not already of record in this application are attached hereto.

3. Related Applications:

- ☒ Applicant(s) brings to the Office's attention the following related application(s): Application No. 10/259,278 filed September 27, 2002, now U.S. Patent No. 7,096,224 and Application Nos. 10/648,577, 10/648,600 and 10/648,749 filed August 25, 2003,

4. Conclusion:

Citation of the above documents shall not be construed as:

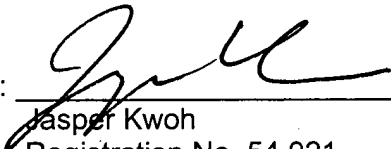
1. an admission that the documents are necessarily prior art with respect to the instant invention;

2. a representation that a search has been made, other than as described above;
and
3. an admission that the information cited herein is, or is considered to be, material
to patentability as defined in § 1.56(b).

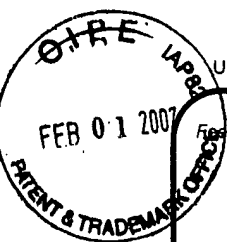
It is respectfully requested that the Examiner indicate consideration of the cited references by returning a copy of the attached forms PTO/SB/08A and PTO/SB/08B with initials or other appropriate marks. In the unlikely event that the transmittal letter is separated from this document and the U.S. Patent Office determines that an extension and/or other relief is required, Applicant(s) petitions for any required relief including extensions of time and authorizes the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 50-2518**, referencing **7035742001**. However, the Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Respectfully submitted,

Dated: 1/29/2007

By: 
Jasper Kwok
Registration No. 54,921

BINGHAM MCCUTCHEN LLP
Three Embarcadero Center
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Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).		Complete if Known	
FEE TRANSMITTAL for FY 2006		Application Number	10/718,823
		Filing Date	November 21, 2003
		First Named Inventor	Namit JAIN
		Examiner Name	2166
		Art Unit	Channavajjala, Sri Rama T.
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Attorney Docket No.	OI7035742001
TOTAL AMOUNT OF PAYMENT (\$)		130	

METHOD OF PAYMENT (check all that apply)

- ☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify) : _____
☒ Deposit Account Deposit Account Number: 502518 Deposit Account Name: Bingham McCutchen LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

- ☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee
☒ Charge any additional fee(s) or underpayments of fee(s) ☐ Credit any overpayments
Under 37 CFR 1.16 and 1.17

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	_____
Design	200	100	100	50	130	65	_____
Plant	200	100	300	150	160	80	_____
Reissue	300	150	500	250	600	300	_____
Provisional	200	100	0	0	0	0	_____

2. EXCESS CLAIM FEES

Fee Description		Small Entity	
Fee Description	Fee (\$)	Fee (\$)	Fee (\$)
Each claim over 20 (including Reissues)	50	25	
Each independent claim over 3 (including Reissues)	200	100	
Multiple dependent claims	360	180	
Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
_____ -20 or HP= _____	x _____	= _____	
HP = highest number of total claims paid for, if greater than 20.			
Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
_____ - 3 or HP= _____	x _____	= _____	
HP = highest number of independent claims paid for, if greater than 3.			

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
_____ - 100 = _____	/ 50 = _____	(round up to a whole number) x _____	= _____	

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge) : Information Disclosure Statement

Fees Paid (\$)

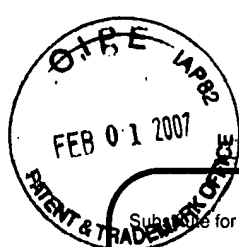
130

SUBMITTED BY

Signature		Registration No. (Attorney/Agent)	54921	Telephone	650-849-4820
Name (Print/Type)	Jasper Kwok	Date	January 29, 2007		

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 7

Complete if Known

Application Number	10/718,823
Filing Date	November 21, 2003
First Named Inventor	Namit JAIN
Art Unit	2166
Examiner Name	Channavajjala, Sriama T.
Attorney Docket Number	OI7035742001

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number – Kind Code ² (if known)	Publication Date MM-DD-YY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US-5295261	03-15-1994	Simonetti	
	2	US-5404513	04-04-1995	Powers et al.	
	3	US-5467471	11-14-1995	Bader	
	4	US-5680614	10-21-1997	Bakuya et al.	
	5	US-5724577	03-03-1998	Exley et al.	
	6	US-5734887	03-31-1998	Kingberg et al.	
	7	US-5987506	11-16-1999	Carter et al.	
	8	US-5964407	10-12-1999	Sandkleiva	
	9	US-5974407	10-26-1999	Sacks	
	10	US-6038563	03-14-1999	Bapat et al.	
	11	US-6055544	04-25-2000	DeRose et al.	
	12	US-6061684	05-09-2000	Glasser et al.	
	13	US-6085198	07-04-2000	Skinner et al.	
	14	US-6128610	10-03-2000	Srinivasan et al.	
	15	US-6141655	10-31-2000	Johnson et al.	
	16	US-6154741	11-28-2000	Feldman	
	17	US-6199195 B1	03-06-2001	Goodwin et al.	
	18	US-6208993 B1	03-27-2001	Shadmon	
	19	US-6236988 B1	05-22-2001	Aldred	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ – Number ⁴ – Kind Code ⁵ (if known)	Publication Date MM-DD-YY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	20	JP 60-218142	10-31-1985	Hitachi LTD.,		
	21	JP 2-165353	06-26-1990	Fujitsu LTD.		
	22	JP 8-249159	09-27-1996	Fujitsu LTD.		

Examiner's
SignatureDate
Considered

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2.0 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 2 of 7

Complete if Known

Application Number	10/718,823
Filing Date	November 21, 2003
First Named Inventor	Namit JAIN
Art Unit	2166
Examiner Name	Channavajjala, Sriama T.
Attorney Docket Number	OI7035742001

U.S. PATENT DOCUMENTS

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	23	US-6263332 B1	07-17-2001	Nasr et al.	
	24	US-6269380 B1	07-31-2001	Terry et al.	
	25	US-6279006 B1	08-21-2001	Shigemi et al.	
	26	US-6279007 B1	08-21-2001	Uppala	
	27	US-6298349 B1	10-02-2001	Toyoshima et al.	
	28	US-6343287 B1	01-29-2002	Kumar et al.	
	29	US-6356920 B1	03-12-2002	Vandersluis	
	30	US-6366934 B1	04-02-2002	Cheng et al.	
	31	US-6370537 B1	04-09-2002	Gilbert et al.	
	32	US-6470344 B1	10-22-2002	Kothuri et al.	
	33	US-6470494 B1	10-22-2002	Chan et al.	
	34	US-6487546 B1	11-26-2002	Witkowski	
	35	US-6496842 B1	12-17-2002	Lyness	
	36	US-6542911 B2	04-01-2003	Chakraborty et al.	
	37	US-6571231 B2	05-27-2003	Sedlar	
	38	US-6604100 B1	08-05-2003	Fernandez et al.	
	39	US-6636845 B1	10-21-2003	Chau et al.	
	40	US-6675230 B1	01-06-2004	Lewallen	
	41	US-6718322 B1	04-06-2004	Brye	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ – Number ⁴ – Kind Code ⁵ (if known)	Publication Date MM-DD-YY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	42	WO 00/049533	08-24-2000	Oracle Corporation		

Examiner's
SignatureDate
Considered

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2.0 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**INFORMATION DISCLOSURE
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Sheet 3 of 7

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Application Number	10/718,823
Filing Date	November 21, 2003
First Named Inventor	Namit JAIN
Art Unit	2166
Examiner Name	Channavajjala, Sriama T.
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number – Kind Code ² (if known)	Publication Date MM-DD-YY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	43	US-6725212 B1	04-20-2004	Couch et al.	
	44	US-6754661 B1	06-22-2004	Hallin et al.	
	45	US-6772180 B1	08-03-2004	Li et al.	
	46	US-6772350 B1	08-03-2004	Belani et al.	
	47	US-6785673 B1	08-31-2004	Fernandez et al.	
	48	US-6826568 B2	11-30-2004	Bernstein et al.	
	49	US-6836778 B1	12-28-2004	Manikutty et al.	
	50	US-6915307 B1	07-05-2005	Mattis et al.	
	51	US-6941511 B1	09-06-2005	Hind et al.	
	52	US-6964025 B2	11-08-2005	Angiulo et al.	
	53	US-7024425 B2	04-04-2006	Krishnaprasad et al.	
	54	US-7031956 B1	04-18-2006	Lee et al.	
	55	US-7036072 B1	04-25-2006	Sulisito et al.	
	56	US-7096224 B2	08-22-2006	Murthy et al.	
	57	US-2002/0007363 A1	01-17-2002	Vaitzblit	
	58	US-2002/0087510 A1	07-04-2002	Weinberg et al.	
	59	US-2002/0029229 A1	03-07-2002	Jakopac et al.	
	60	US-2002/0147763 A1	10-10-2002	Lee et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ – Number ⁴ – Kind Code ⁵ (if known)	Publication Date MM-DD-YY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	61	WO 01/042881 A2	06-14-2001	B-Bop Associates, Inc.		

Examiner's
SignatureDate
Considered

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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(use as many sheets as necessary)

Sheet 4 of 7

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Application Number	10/718,823
Filing Date	November 21, 2003
First Named Inventor	Namit JAIN
Art Unit	2166
Examiner Name	Channavajjala, Sriama T.
Attorney Docket Number	OI7035742001

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number – Kind Code ² (if known)	Publication Date MM-DD-YY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	62	US-2002/0184401 A1	12-05-2002	Kadel Jr. et al.	
	63	US-2003/0004937 A1	01-02-2003	Salmenkaita et al.	
	64	US-2003/0009361 A1	01-09-2003	Hancock et al.	
	65	US-2003/0065659 A1	04-03-2003	Agarwal et al.	
	66	US-2003/0093672 A1	05-15-2003	Cichowlas	
	67	US-2003/0101194 A1	05-29-2003	Rys et al.	
	68	US-2003/0120665 A1	06-26-2003	Fox et al.	
	69	US-2003/0154204 A1	08-14-2003	Chen-Wright et al.	
	70	US-2003/0172135 A1	09-11-2003	Bobick et al.	
	71	US-2003/0182624 A1	09-25-2003	Large	
	72	US-2003/0204787 A1	10-30-2003	Bartucca et al.	
	73	US-2004/0015936 A1	01-22-2004	Susarla et al.	
	74	US-2004/0043758 A1	03-04-2004	Sorvari et al.	
	75	US-2004/0064466 A1	04-01-2004	Manicutty et al.	
	76	US-2004/0117359 A1	06-17-2004	Snodgrass et al.	
	77	US-2004/0176958 A1	09-09-2004	Salmenkaita et al.	
	78	US-2004/0220912 A1	11-04-2004	Manikutty et al.	
	79	US-2004/0220927 A1	11-04-2004	Murthy et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ – Number ⁴ – Kind Code ⁵ (if known)	Publication Date MM-DD-YY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	80	WO 01/059602 A1	08-16-2001	Acta Technologies, Inc.		

Examiner's
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Considered

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Sheet	5	of	7
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Application Number	10/718,823
Filing Date	November 21, 2003
First Named Inventor	Namit JAIN
Art Unit	2166
Examiner Name	Channavajjala, Sriama T.
Attorney Docket Number	OI7035742001

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ – Number ⁴ – Kind Code ⁵ (if known)				
	90	WO 01/061566 A1	08-23-2001	Verizon Laboratories, Inc.		

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				Art Unit	2166
				Examiner Name	Channavajjala, Sriama T.
Sheet	6	of	7	Attorney Docket Number	OI7035742001

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	91	"10.1. What is the Direct Path?" from Oracle SQL*Loader: The Definitive Guide. Published by O'Reilly & Associates, 2001	
	92	"Conventional and Direct Path Loads" from Oracle 9i Database Utilities Release 2. Copyright 2002 Oracle Corporation. Available online at http://www.utexas.edu/its/unix/reference/oracledocs/v92/B10501_01/server.920/a96652/ch09.htm	
	93	"Java programming dynamics, Part 2: Introducing reflection" by Dennis Sosnoski. Published 3 June 2003. Available online at http://www-128.ibm.com/developerworks/library/j-dyn0603/	
	94	"Objects, Collections, and OPAQUE Types" from Oracle9i SQLJ Developer's Guide and Reference Release 2 (9.2). Copyright 1999, 2002. Available online at http://www.lc.leidenuniv.nl/awcourse/oracle/java.920/a96655/objcoll.htm	
	95	"SerialJavaObject (Java 2 Platform SE 5.0)", available online at http://java.sun.com/j2se/1.5.0/docs/api/javax/sql/rowset/serial/SerialJavaObject.html . Accessed April 8, 2006. Copyright 2004 Sun Microsystems	
	96	"Using Java Reflection" by Glen McCluskey. Published January 1998. Available online at http://java.sun.com/developer/technicalArticles/ALT/Reflection/	
	97	CHEN, R-S, et al. "Developing an XML Framework for Metadata System" Trinity College, Dublin, Proceedings of the 1st Int'l Symposium on Information and Communication, pp. 267-272	
	98	HIGGINS, S., Oracle Corporation, "Oracle9i, XML Database Developer's Guide - Oracle XML DB" Release 2 (9.2), October, 2002, Part No. A96620-02, p. 1-1,044	
	99	INFORMIX CORPORATION "Universal Data Option for Informix Dynamic Server", 1998, 8 pages	
	100	IPEDO, Inc., "Ipedo XML Database 3.1: Developer's Guide" 2001, XP-002306148, 12 pages	
	101	LI, X. "A Survey of Schema Evolution in Object-Oriented Databases" IEEE, 1999, pp. 362-371	
	102	MANOLESCU, D., Review of "Metadata solutions: using metamodels, repositories, XML, and enterprise portals to generate information on demand by Adrienne Tannebaum", ACM Press, March, 2003, Vol. 28, Issue 2, page 38	
	103	ORACLE "Conventional and Direct Path Loads" Chapter 9 of Oracle 9i Database Utilities - Release 2 (9.2), Copyright 2002 Oracle Corporation, 29 pages	
	104	PARKERSON, C. "Ipedo XML Database 3.1 Now Available" July 22, 2002, XP-002306149, pp. 1-2	
	105	RASHID, A. "A Framework for Customisable Schema Evolution in Object-Oriented Databases" Proceedings of the 7th Int'l Database Engineering and Applications Symposium (IDEAS'03), IEEE, 2003, 5 pages	
	106	RIGGS, R. et al. "Pickling State in the Java™ System" XP002128178, 10 pages	

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Sheet	7	of	7	Attorney Docket Number	OI7035742001

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	107	SU, H. et al. "XEM: XML Evolution Management" January, 2002, XP-002306151, pp. 1-32	
	108	TÜRKER, C., "Schema Evolution in SQL-99 and Commercial (Object-) Relational DBMS" 9th Int'l Workshop on Foundations of Models and Languages for Data and Objects Fomlado/Demm 2000, September 18, 2000, XP-002306150, pp. 1-32	
	109	WANG, Y. et al. "X-Diff: An Effective Change Detection Algorithm for XML Documents" Proceedings of the 19th Int'l Conference on Data Engineering (ICDE'03), IEEE, 2003, pp. 519-530	
	110	BOURRET, R. et al. "A Generic Load/Extract Utility for Data Transfer Between XML Documents and Relational Databases" Proceedings for the 2nd Int'l Workshop on Advanced Issues of E-Commerce and Web-Based Information Systems, IEEE Computing Society, June 8-9, 2000, pp. 134-143	
	111	BRAGA, D. et al. "A Graphical Environment to Query XML Data with XQuery" Proceedings of the Fourth International Conference on Web Information Systems Engineering (WISE'03), IEEE, 2003, 10 pages	
	112	CHENG, J. et al. "IBM DB2 XML Extender, An end-to-end solution for storing and retrieving XML documents" IEEE, ICDE'00 Conference, San Diego, CA, Feb. 2000, 128 pages	
	113	JAJODIA, S. et al. "Toward a Multilevel Secure Relational Data Model" ACM, 8393 SIGMOD Record, June 20, 1991, XP 000364619, No. 2, pp. 50-59	
	114	MI-OK, C. et al. "Design and Implementation of an Object-Oriented Multimedia DBMS Tightly Coupled with Information Retrieval Functions" Proceedings of the 17th IASTED Int'l Conference on Applied Informatics (AI'99), Innsbruck, Austria, Feb. 15-18, 1999, abstract	
	115	NOSER, H. et al. "Dynamic 3D Visualization of Database-Defined Tree Structures on the WWW by Using Rewriting Systems", IEEE, 2000, XP-002262516, pp. 247-254	
	116	PENG, F. et al. "XPath Queries on Streaming Data" Proceedings of the 2003 ACM SIGMOD Int'l Conference on Management of Data (SIGMOD 2003), San Diego, CA, June 9-12, 2003, pp. 431-442	
	117	SHANMUGASUNDARAM, J. et al. "Querying XML Views of Relational Data" Proceedings of the 27th Very Large Databases Conference, Rome, Italy, September, 2001, pp. 261-270	
	118	VION-DURY, J-Y. "XPath on Left and Right Side of Rules: Toward Compact XML Tree Rewriting through Node Patterns" Proceedings of the 2003 ACM Symposium on Document Engineering, Grenoble, France, November 20-22, 2003, ACM Press, pp. 19-25	
	119	VORTHMANN, S. "Beyond Schemas, Schema Adjuncts and the Outside World" Markup Languages, Online!, June, 2000, Vol. 2, No. 3, pp. 1-8	

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